

## ABSTRACT:

This patent relates to the handoff of an untethered device (493) connected to a tethered device (495) communicating on a power line communication (PLC) network (499) to another device communicating on a PLC network or communicating with a conventional communication network or communicated on a mesh communication network. An additional embodiment of the present invention is the bridging (662) of a first communication network (660) over a PLC network to a second communication network (664) and the switching into or out of a PLC network between two communication networks bridged through a device connected to a PLC network (499) such that the first communication network (660) or second communication network (664) disconnects from the PLC network while a third communication network (665) connects to the PLC network (499).